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CONFI... Sub-recorder

COMPARISON OF MEDIA FOR STORAGE OF DIGITAL DATA

| Recording Medium | Maximum Resolution | | | Minimum | Maximum | Operating Speed | | Cost | Non-spatial Dimensions | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Present Practical $10^{-3}$ in | Ultimate $10^{-3}$ in | Design Goal $10^{-3}$ in | Practical Spot Area $10^{-6}$ in$^2$ | Practical Density bits/in$^3$ | Record us/bit | Read us/bit | us/bit | type | Levels Present Practice | Design Goal |
| Flip - flop | | | | | 0.5 | 0.1 | 0.1 | | current | 2 | 2 |
| Ma tic Wire | | | | | $5\times10^6$ | 100 | 100 | $3\times10^6$ | flux intensity | 2 | 2 |
| Magnetic tape | 5 | 0.1 | 1 | 20 | $10^7$ | 100 | 100 | $10^7$ | flux intensity | 2 | 5 |
| Punch Card | 80 | 5 | 20 | 1000 | $3\times10^4$ | $10^5$ | Photo 200 | $3\times10^5$ | density | 2 | 2 |
| Punch tape | 80 | 5 | 20 | 1000 | $10^5$ | $10^5$ | Elect. $10^4$ | $3\times10^6$ | density | 2 | 2 |
| Film | 10 | 0.02 | 1 | 20 | 107 | 2 | 2 | $10^6$ | density color | 2 | 5 |
| Metallized paper | 40 | | | 2000 | $10^5$ | 100 | no automatic readout | | none | | 3 |
| Cathoderay tube | 4 | | 2 | 4 | $5\times10^3$ | 10 | 4 | | intensity | 2 | 2 |
| Mercury line | | | | | 10 | | | 10 | none | | |
| Electromagnetic relay | | | | | 0.4 | $10^3$ | inst. | 1 | flux | 2 | 3 |

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